



# MIAMI BEACH

OFFICE OF THE CITY MANAGER

NO. LTC # **136-2012**

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LETTER TO COMMISSION

CITY CLERK'S OFFICE

TO: Mayor Mattie Herrera Bower and Members of the City Commission

FROM: Jorge M. Gonzalez, City Manager

DATE: May 15, 2012

SUBJECT: Beach Erosion Control & Hurricane Protection Project - Beach Renourishment 2012

The purpose of this LTC is to provide an update to the Mayor and City Commission on the beach renourishment activities.

## **BACKGROUND**

The 2011 Beach Erosion Control & Hurricane Protection Project, Dade County Renourishment, Contract E (the Project) is sponsored by Miami-Dade County (County), funded with a Federal appropriation in the U.S. Army Corps of Engineers (USACE) work program, and managed by USACE. The County is responsible for providing local coordination of beach nourishment activities conducted by the USACE, including providing the non-Federal funds needed to implement the Project.

The contract was awarded to Great Lakes Dredge & Dock LLC (GLDD) in the amount of \$15,794,200 on September 30, 2011. The City Administration's worked closely with Miami-Dade County and USACE to postpone the commencement of construction until after the highest point in the City's tourist season.

## **PROJECT SCOPE**

The scope of the Project consists of placing sand on three areas of Miami Beach using two separate sources of material (Attachment A). The first phase from 63<sup>rd</sup> Street to 69<sup>th</sup> Street was completed in April 2012. This phase utilized the last available offshore borrow site in Miami-Dade County located approximately 11 nautical miles south-south west of the project area. The dredge located offshore pumped an estimated 250,000 cubic yards to this area. (Attachment B provides photographs of the project from the vicinity of 68<sup>th</sup> Street.)

The second phase of the project began the week of May 7, 2012. This phase will utilize a sand back-passing method to bring approximately 80,000 cubic yards (cy) sand from an accreted portion of the beach between 10<sup>th</sup> Street and 18<sup>th</sup> Street to the highly eroded areas in the vicinity of 27<sup>th</sup> Street (20,000 cy) and 46<sup>th</sup> Street (60,000 cy). GLDD has performed the necessary survey to determine the actual extent of beach being affected. Beginning May 21, 2012 sand will be pumped to the vicinity of 27<sup>th</sup> Street. Once this area is complete, the contractor will continue moving north to the vicinity of 46<sup>th</sup> Street. It is anticipated that this area will begin to receive sand in July 2012. The contractor has until November 2012 to complete this phase of the project.

The borrow site (10<sup>th</sup> Street and 18<sup>th</sup> Street) work zone will be limited to 500 feet. Trucks will be used inside this area to move sand to a stationary hopper/pump. All work will be completed within this 500 foot work zone and will move with each increment to minimize

project impact and minimize machinery on the beach. The sand will be pumped through an underground pipeline to the two receiving areas.

The contractor will have a safety officer onsite, and the County and the USACE will both have full-time construction inspectors onsite for the duration of this project. In addition, the County will be conducting environmental and habitat monitoring to minimize potential damage to the benthic habitat, sea-turtles, and other marine wildlife.

As the sponsor of the Project, the County is responsible for coordinating and conducting community outreach. The public can learn more about the project by calling 3-1-1 or 305.372.6850. The City will continue to work closely with the County and USACE to inform affected parties and ensure that accurate information regarding the project is available for businesses, residents, and visitors. At the request of the City Administration, the USACE and the County will be met with the hotels, homeowners association and concessionaires adjacent to the borrow site to present the final scope of the project. During the duration of the project, there will be a weekly informational progress meeting on Wednesdays at 11:00 AM in the Public Works Conference Room. Interested parties can also participate via teleconference by calling: (877) 524-0739, Participant Code: 9455230.

### **CONCLUSION**

The Administration will continue to work closely with the County and USACE to eliminate or minimize the Project's impacts and will continue to provide the Mayor and City Commission with further updates as the Projects milestones are accomplished.

Please feel free to contact me if you have any questions.

#### **Attachments:**

A: Beach Renourishment Project Boundaries

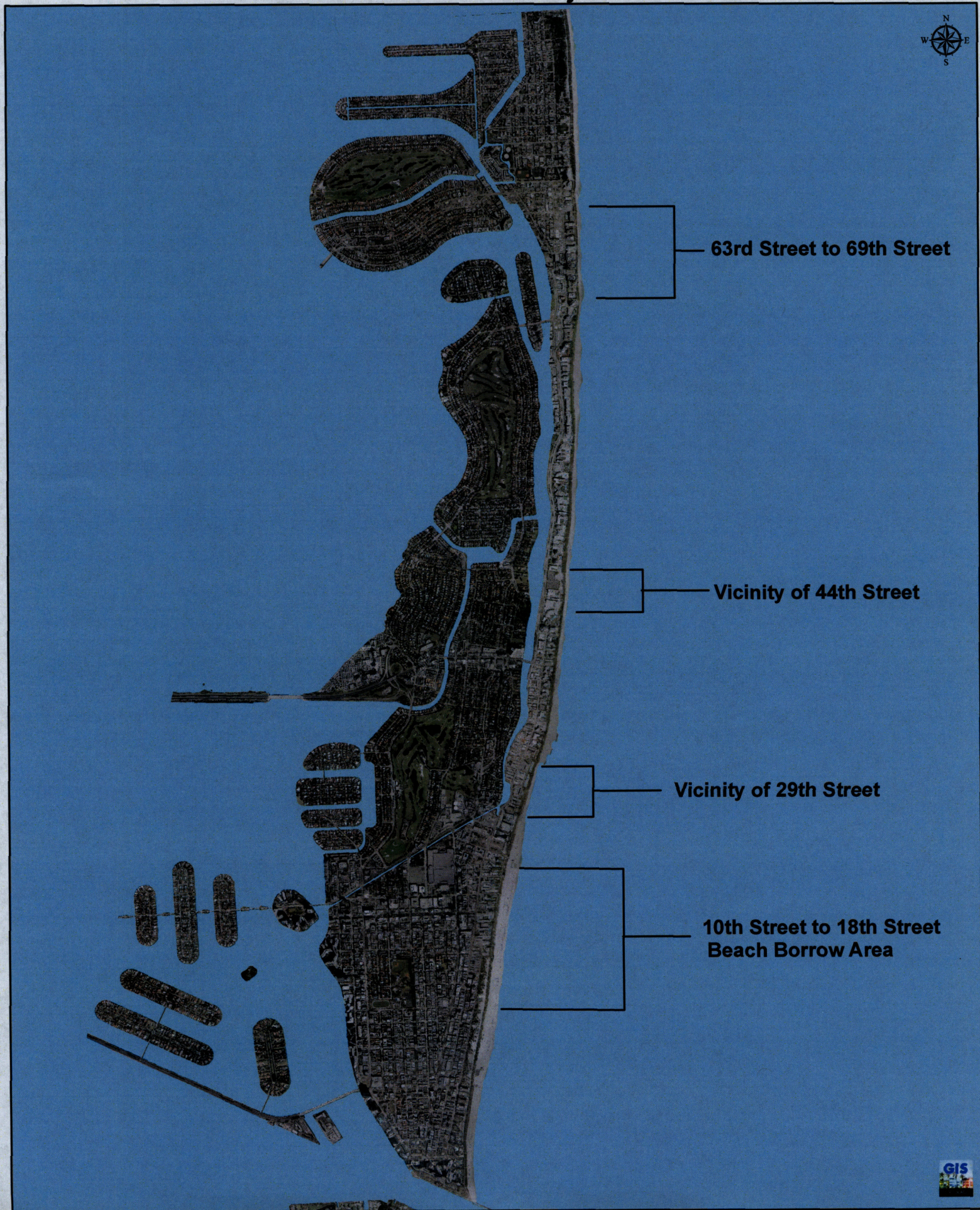
B: Phase I Construction Photographs

  
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# Beach Renourishment Project Boundaries





Attachment B

Beach Renourishment Project March 2012- Vicinity of 68<sup>th</sup> Street

